UNITED STATES PATENT AND TRADEMARK OFFICE

NOTICE OF ALLOWANCE AND FEE(S) DUE

24267   7590   11/17/2008

CESARI AND MCKENNA, LLP
88 BLACK FALCON AVENUE
BOSTON, MA 02210

EXAMINER
JEAN GILLES, JUDE

ART UNIT	PAPER NUMBER
2443	

DATE MAILED: 11/17/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/619,122	07/14/2003	Herman Lee	112056-0085	6869

TITLE OF INVENTION: SYSTEM AND METHOD FOR OPTIMIZED LUN MASKING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	02/17/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

Complete and send this form, together with applicable fee(s), to: <u>Mail</u> Mail Stop ISSUE FEE
Commissioner for Patents
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

24267   7590   11/17/2008

CESARI AND MCKENNA, LLP
88 BLACK FALCON AVENUE
BOSTON, MA 02210

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

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10/619,122	07/14/2003	Herman Lee	112056-0085	6869

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nonprovisional	NO	$1510	$300	$0	$1810	02/17/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
JEAN GILLES, JUDE	2443	709-225000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE   (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:
☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.   ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____   Date _____

Typed or printed name _____   Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/619,122	07/14/2003	Herman Lee	112056-0085	6869

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BOSTON, MA 02210

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 824 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 824 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

	Application No.	Applicant(s)
Notice of Allowability	10/619,122	LEE ET AL.
	Examiner	Art Unit	
	JUDE J. JEAN GILLES	2443	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *10/27/2008*.

2. ☒ The allowed claim(s) is/are *29,30,32-41 and 43-62*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the

            International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08),
    Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413),
    Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with A. Sidney Johnson, Reg. No. 29,548 on November 06 2008.

Claims 29-30, 32-41, and 43-62 are pending in this case.

Claims 51, 52, 62, and 57 have been amended to better claim the invention.

Claims 1-28, 31, and 42 have been cancelled without disclaimer.

No new claims were added.

Allowed claims:

Claims 29-30, 32-41, and 43-62 are allowed, renumbered 1-32

IN THE CLAIMS:

2.   **Please amend as follow:**

1.-28. (Cancelled).

29. (Previously Presented) A method for accessing a data storage system, comprising:

receiving a login request from a first specific client, the login request directed to the data storage system;

generating, in response to the login request, a first logical unit number map (lun map) for the specific client by determining one or more physical logical unit numbers (PLUNs) of the data storage system that the first specific client has permission to access and then mapping one or more client specific virtual logical unit numbers (VLUNs) of the first specific client to the one or more PLUNs, in the first lun map;

exporting the client specific VLUNs to the first specific client; and

receiving a data access request command from the first specific client, the request directed to a selected client specific VLUN in the first lun map, and translating the client specific VLUN into a selected PLUN utilizing the first lun map, and performing the data access request command on the selected PLUN associated with the data storage system.

30. (Previously Presented) The method of claim 29, further comprising:

generating the first lun map to have a set of ordered pairs mapping the one or more client specific VLUNs to one or more PLUNs.

31. (Cancelled).

32. (Previously Presented) The method of claim 29, further comprising:

identifying the one or more PLUNs that the client may access in response to the

client logging in by,

(a) selecting a lun data structure;

(b) searching through a list of client identifiers in the lun data structure to identify

whether the client may access the one or more PLUNs;

repeating steps (a) and (b) for each lun data object associated with a given storage

system; and

accessing, in response to a client data access request, a lun data object by use

of the first lun map and without searching the lun data structure.

33. (Previously Presented) The method of claim 29, further comprising:

accessing a set of lun data structures associated with the storage system in

identifying the one or more PLUNs which the client has permission to access.

34. (Previously Presented) The method of claim 32, further comprising:

using a world wide name as the client identifier.

35. (Previously Presented) The method of claim 29, further comprising:

using a Fibre Channel switching network for the first specific client to access the

data storage system.

36. (Previously Presented) The method of claim 29, further comprising:

using an Ethernet switching network for the first specific client to access the data

storage system.

37. (Previously Presented) The method of claim 29, further comprising:

using a multi-protocol storage appliance as the data storage system.

38. (Previously Presented) The method of claim 29, further comprising:

exporting the client specific VLUNs to the client as a set of accessible luns.

39. (Previously Presented) The method of claim 29, further comprising:

containing the first lun map within an initiator data structure.

40. (Previously Presented) A data storage system, comprising:

a login request received from the specific client, the login request directed to the

data storage system;

a logical unit number map (lun map) generated, in response to the login request,

the lun map mapping one or more client specific virtual logical unit numbers (VLUNs) to

one or more physical logical unit numbers (PLUNs) of the data storage system that the

first specific client has permission to access;

the client specific VLUNs exported to the client; and

a data access request command received from the specific client, the request

directed to a client specific VLUN in the lun map, translating the client specific VLUN by

the map into a selected PLUN, and performing the data access request command on

the selected PLUN associated with the data storage system.

41. (Previously Presented) The data storage system of claim 40, further comprising:

the lun map having a set of ordered pairs mapping the one or more client specific

VLUNs to the one or more PLUNs.

42. (Cancelled).

43. (Previously Presented) The data storage system of claim 40, further comprising:

one or more PLUNs that the specific client may access identified in response to

the specific client logging in by,

(a) selecting a lun data structure;

(b) searching through a list of client identifiers in the lun data structure to identify

whether the specific client may access the one or more PLUNs;

repeating steps (a) and (b) for each lun data object associated with a given storage

system; and

a client data access request to access a lun data object by use of the lun map

and without searching the lun data structure.

44. (Previously Presented) The data storage system of claim 40, further comprising:

a set of lun data structures associated with the storage system accessed in

identifying the one or more PLUNs which the specific client has permission to access.

45. (Previously Presented) The data storage system of claim 43, further comprising:

a world wide name used as the client identifier.

46. (Previously Presented) The data storage system of claim 40, further comprising:

a Fibre Channel switching network used for the specific client to access the data

storage system.

47. (Previously Presented) The data storage system of claim 40, further comprising:

an Ethernet switching network used for the specific client to access the data

storage system.

48. (Previously Presented) The data storage system of claim 40, further comprising:

a multi-protocol storage appliance used as the data storage system.

49. (Previously Presented) The data storage system of claim 40, further comprising:

the one or more client specific VLUNs exported to the client as a set of

accessible luns.

50. (Previously Presented) The data storage system of claim 40, further comprising:

the lun map contained within an initiator data structure.

51. (Currently Amended) A computer readable storage medium ~~media~~, comprising:

a processor executing instructions ~~said computer readable media containing~~

~~instructions for execution on a processor~~ for accessing a data storage system, the data

storage system having the steps of,

receiving a login request from the specific client, the login request directed to the

data storage system;

generating, in response to the login request, a logical unit number map (lun map)

for the specific client by determining one or more physical logical unit numbers (PLUNs)

of the storage system that the first specific client has permission to access and then

mapping one or more client specific virtual logical unit numbers (VLUNs) to the one or

more PLUNs;

exporting the client specific VLUNs to the client; and

receiving a data access request command from the client, the request directed to

a client specific VLUN, translating the client specific VLUN by the lun map into a

selected PLUN utilizing the lun map, and performing the data access request command

on the selected PLUN.

52. (Currently Amended) A method for accessing a data storage system, comprising:

logging into the data storage system by a client;

generating, in response to the client logging into the data storage system, a

logical unit number map (lun map) for one or more physical logical units (PLUNs) the

client is permitted to access, the lun map excluding mapping of PLUNs the client is not

permitted to access, the lun map mapping virtual logical unit numbers (VLUNs) to the

one or more PLUNs;

exporting the VLUNs lun map to the client;

receiving a data access request command from the client for data on a specific

VLUN PLUN mapped by the lun map, the request directed to a client specific VLUN,

translating the client specific VLUN by the lun map into a selected PLUN utilizing the lun

map, and

performing, by the data storage system, the data access request on the PLUN

mapped by the lun map to the specific VLUN.

53. (Previously Presented) The method of claim 52, further comprising:
accessing the PLUNs supporting a client specific virtual logical unit number

(VLUN).

54. (Previously Presented) The method of claim 52, further comprising:

identifying the one or more PLUNs that the client may access in response to the

client logging in by,

(a) selecting a lun data structure;

(b) searching through a list of client identifiers in the lun data structure to identify

whether the client may access the one or more PLUNs;

repeating steps (a) and (b) for each lun data object associated with a given

storage system; and

accessing, in response to a client data access request, a lun data object by use

of the lun map and without searching the lun data structure.

55. (Previously Presented) The method of claim 53, further comprising:

accessing a set of lun data structures associated with the storage system in

identifying the one or more PLUNs which the client has permission to access.

56. (Previously Presented) The method of claim 53, further comprising:

containing the lun map within an initiator data structure.

57. (Currently Amended) An apparatus to access A system for accessing a data

storage system, comprising:

a client configured to log into the data storage system;

in response to the client logging into the data storage system, a client specific

logical unit number map (lun map) configured to be generated for one or more physical

logical units (PLUNs) the client is permitted to access, the lun map further configured to

exclude mapping of PLUNs the client is not permitted to access, the lun map mapping

virtual logical unit numbers (VLUNs) to the one or more PLUNs;

the <u>VLUNs</u> ~~lun map~~ further configured to be exported to the client; ~~and~~

the client further configured to send a data access request for data on a specific

<u>VLUN</u> ~~PLUN~~ mapped by the lun map;

<u>receiving a data access request command from the client for data on a specific</u>

<u>VLUN mapped by the lun map, the request directed to a client specific VLUN,</u>

<u>translating the client specific VLUN by the lun map into a selected PLUN utilizing the lun</u>

<u>map, and</u>

<u>the data storage system configured to perform the data access request on the</u>

<u>PLUN mapped by the lun map to the specific VLUN</u>.

58. (Previously Presented) The system of claim 57, further comprising:
    the specific PLUN configured to access the physical logical unit.

59. (Previously Presented) The system of claim 57, further comprising:

    (a) a lun data structure selected in response to the login by the client;

    (b) a storage system to search through a list of client identifiers in the lun data

structure to identify whether the client may access a selected PLUN, the storage system

to repeat steps (a) and (b) for each lun data object associated with a given storage

system; and

    a lun data object, associated with the selected PLUN, accessed by use of the lun

map and without a search of the lun data structure.

60. (Previously Presented) The system of claim 57, further configured to access a set

of lun data structures associated with the storage system by identifying the one or more

PLUNS which the client has permission to access.

61. (Previously Presented) The system of claim 57, further comprising:

the lun map configured within an initiator data structure.

62. (Previously Presented) A computer readable <u>storage medium</u> ~~media~~, comprising:

~~said computer readable media containing instructions for execution on~~ a

processor <u>executing instructions</u> for the practice of a method of accessing a data

storage system, the method having the steps of,

logging into the data storage system by a client;

generating a client specific logical unit number map (lun map), in response to the

client logging into the data storage system, for one or more physical logical units

(PLUNs) the client is permitted to access, the lun map excluding mapping of PLUNs the

client is not permitted to access<u>, the lun map mapping virtual logical unit numbers</u>

<u>(VLUNs) to the one or more PLUNs</u>;

exporting the <u>VLUNs</u> ~~lun map~~ to the client; ~~and~~

receiving a data access request <u>command</u> from the client for data on a specific

<u>VLUN</u> ~~PLUN~~ mapped by the lun map, <u>the request directed to a client specific VLUN,</u>

<u>translating the client specific VLUN by the lun map into a selected PLUN utilizing the lun</u>

<u>map, and</u>

<u>performing by the data storage system the data access request on PLUN</u>

<u>mapped by the lun map to the specific VLUN.</u>

Conclusion

Any inquiry concerning this communication or earlier communications from examiner should be directed to Jude Jean-Gilles whose telephone number is (571) 272-3914. The examiner can normally be reached on Monday-Thursday and every other Friday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn, can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-3301.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-0800.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Jude J Jean-Gilles/

Examiner, Art Unit 2443

JJG

November 07, 2008